



Water-Data Report 2008

01411000 GREAT EGG HARBOR RIVER AT FOLSOM, NJ

GREAT EGG HARBOR RIVER BASIN

LOCATION.--Lat 39°35'41", long 74°51'06" referenced to North American Datum of 1983, Folsom Borough, Atlantic County, NJ, Hydrologic Unit 02040302, on left bank 25 ft upstream from bridge on State Highway 54, 1.0 mi south of Folsom, and 2.0 mi upstream from Pennypot Stream.

DRAINAGE AREA.--57.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1925 to current year. Prior to October 1947, published as "Great Egg River at Folsom".

REVISED RECORDS.--WSP 1432: 1928(M), 1933. WDR NJ-83-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since Nov 26, 1934. Datum of gage is 53.32 ft above NGVD of 1929. Prior to Mar 6, 1941, water-stage recorder at site 100 ft downstream at same datum. Mar 6 to Oct 5, 1941, nonrecording gage at site 145 ft downstream at datum 0.25 ft higher.

REMARKS.--Records good. Satellite rain and gage-height telemetry at station. Several measurements of water temperature were made during the year.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	59	45	132	72	81	66	80	64	36	23	24
2	22	52	44	127	94	78	76	71	70	33	22	24
3	22	48	62	113	113	75	77	64	63	31	22	24
4	22	46	76	97	139	73	82	61	74	30	21	23
5	22	44	81	82	137	79	91	58	94	33	20	22
6	22	45	76	78	118	90	96	55	109	34	20	27
7	23	48	65	76	103	100	97	53	115	39	18	47
8	22	46	61	74	95	115	93	51	102	41	18	59
9	22	45	61	72	89	130	85	72	76	36	18	52
10	34	44	61	70	84	153	80	97	62	34	24	49
11	44	42	61	76	79	156	76	111	55	32	80	47
12	51	41	61	87	74	136	77	115	50	30	102	43
13	47	43	61	92	85	115	82	112	48	28	141	46
14	40	45	68	96	108	101	77	116	45	29	130	58
15	36	44	72	97	140	91	72	117	45	31	80	54
16	34	46	82	95	167	88	67	108	44	30	79	45
17	32	45	92	88	149	85	65	100	43	27	81	40
18	31	43	102	96	125	81	63	100	41	26	66	37
19	33	42	106	106	109	80	61	102	41	25	49	33
20	36	44	98	116	101	87	60	100	40	24	42	32
21	36	45	83	113	93	93	56	103	39	23	39	30
22	33	43	74	99	87	97	56	109	38	22	36	30
23	32	43	73	87	87	91	56	111	38	22	33	29
24	32	41	85	83	89	83	54	102	37	27	32	28
25	40	40	93	79	90	78	52	86	35	31	31	27
26	47	42	97	74	89	74	52	75	34	28	30	29
27	66	48	94	71	91	71	54	68	36	28	28	32
28	82	49	87	69	90	71	56	68	36	29	27	34
29	91	49	91	68	85	70	74	71	35	28	27	48
30	93	47	102	67	---	67	82	65	38	25	26	54
31	78	---	121	66	---	63	---	60	---	24	26	---
Total	1,246	1,359	2,435	2,746	2,982	2,852	2,135	2,661	1,647	916	1,391	1,127
Mean	40.2	45.3	78.5	88.6	103	92.0	71.2	85.8	54.9	29.5	44.9	37.6
Max	93	59	121	132	167	156	97	117	115	41	141	59
Min	21	40	44	66	72	63	52	51	34	22	18	22
Cfsm	0.70	0.79	1.38	1.55	1.80	1.61	1.25	1.50	0.96	0.52	0.79	0.66
In.	0.81	0.89	1.59	1.79	1.94	1.86	1.39	1.73	1.07	0.60	0.91	0.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	61.1	78.1	92.8	102	106	120	115	93.9	71.5	62.0	62.1	59.5
Max	148	213	212	203	228	229	234	199	167	187	182	215
(WY)	(1939)	(1973)	(1973)	(1936)	(1939)	(1958)	(1983)	(1958)	(2003)	(1938)	(1967)	(1940)
Min	27.4	25.8	32.8	39.3	42.0	57.6	53.9	47.1	34.4	22.1	19.3	25.6
(WY)	(2002)	(2002)	(2002)	(1981)	(2002)	(2002)	(1985)	(1955)	(1977)	(1966)	(1966)	(1964)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1925 - 2008	
Annual total	30,396		23,497			
Annual mean	83.3		64.2		85.2	
Highest annual mean					133	1973
Lowest annual mean					40.2	2002
Highest daily mean	1,060	Apr 17	167	Feb 16	1,300	Sep 3, 1940
Lowest daily mean	21	Oct 1	18	Aug 7	12	Aug 23, 2002
Annual seven-day minimum	22	Sep 25	20	Aug 3	13	Aug 17, 2002
Maximum peak flow			170	Feb 16	1,440	Sep 3, 1940
Maximum peak stage			4.45	Feb 16	9.09	Sep 3, 1940
Instantaneous low flow			17	Aug 7	12	Aug 22, 2002
Annual runoff (cfsm)	1.46		1.12		1.49	
Annual runoff (inches)	19.80		15.31		20.28	
10 percent exceeds	138		104		147	
50 percent exceeds	65		61		73	
90 percent exceeds	28		27		36	

